



Senior Staff Applications Engineer

Job description

The Connected Secure Systems (CSS) segment offers comprehensive systems for a secure, networked world with a portfolio built around reliable, trendsetting microcontrollers as well as wireless connectivity and security solutions. Over the past decades, CSS has developed microcontroller, Wi-Fi, Bluetooth and combined connectivity solutions (known as connectivity combos) and hardware-based security technologies. The products are used in a broad range of applications: from consumer electronics, IoT and home appliances to IT equipment, cloud security and networked cars all the way to credit and debit cards, electronic passports and IDs. With its leading technologies in the areas of computing, connectivity and security, CSS makes a decisive contribution to protecting today's and tomorrow's networked systems.

- Strong experience in the areas of DC/DC and AC/DC - Flyback and LLC resonant converters
- Hands on lab bring up and debugging of analog circuits, voltage regulators, and power distribution circuits
- Knowledge of Battery Management in battery powered application is a plus.
- Knowledge of power conversion topologies, magnetics and control system design with extensive lab skills to test and debug of switch mode power supplies
- Knowledge of power MOSFET, gate driver requirements and parameters, and experience with controller modeling.
- Must have very good communications skills, both written and verbal.
- Ability to work cross functionally with Marketing, hardware design, chip design, and software and content development teams.

Profile

- 10+ years of hands-on experience in high-frequency, high-current, high voltage, high-density AC/DC DC/DC designs.
- In depth knowledge/experience in SMPS/PSU (power supply unit) design and the topologies.
- Knowledge of power MOSFET, gate driver requirements and parameters, and experience with controller modeling.
- Familiar with Safety, EMC and Energy compliance testing of power supplies
- Experience with simulation tools such as Simplis, Spice, Matlab
- In depth experience in Mixed Signal PMIC IC architecture fortologies such as Buck Boost, LLC and similar
- Experience in IC architecture of USB-PD, Wireless Charger and/or similar high-density chargers

At a glance

Location: **Bangalore (India)**
Job ID: **337740**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Contact

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Benefits

- **Bangalore:** Coaching, mentoring & networking possibilities ; Wide range of training offers & planning of career development; Regional and local talent programs; International assignments; Career paths: Management career, Project management career, Technical ladder career, Individual contributor career, Professional career; Flexible work timing, Part time work, Work from home; Home office; Health & wellness reimbursement, Employee motivation forum, Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Medclaim (dependents & top up), Personal accident, Term life; National Pension Scheme; Health promotion programs; Statutory benefits; Access for wheelchairs; On-site canteen; Paid sick leave, long term illness leave; On site Yoga classes, Sports club

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

